

**ROXBURY TOWNSHIP PRIVATE SCHOOLS**  
**Landfill Gas Assessment**

**INDOOR AIR SAMPLING RESULTS**  
**12/16/13 to 12/19/13**

SCHOOL	SAMPLE DATE	SAMPLE LOCATION	HYDROGEN SULFIDE (H <sub>2</sub> S)	SULFUR DIOXIDE (SO <sub>2</sub> )
American Christian E.S.	12/17/13	Lower School Building - Classroom 5	N.D.	N.D.
		Lower School Building - Classroom 2	N.D.	N.D.
		Upper School House - Middle Classroom	N.D.	N.D.
		Ambient	N.D.	N.D.
Morris County Educare and Enrichment Center	12/18/13	Entrance Foyer	N.D.	N.D.
		"Twoddler" Room	N.D.	N.D.
		Room 7	N.D.	N.D.
		Ambient	N.D.	N.D.
St. Therese E.S.	12/19/13	Main Building 1 <sup>st</sup> Grade Classroom	N.D.	N.D.
		Main Building 3 <sup>rd</sup> Grade Classroom	N.D.	N.D.
		Learning Center Building Pre-K Classroom	N.D.	N.D.
		Ambient	N.D.	N.D.

N.D. = Non-detectable

All results are in parts per billion (ppb)

Results are rounded to the nearest whole number

Sample Date is the date on which the 24-hour sample was completed

In conjunction with the 24-hour canister sampling, the Department of Health (DOH) is utilizing Jerome J605 portable handheld meters for detecting hydrogen sulfide (H<sub>2</sub>S) gas. The H<sub>2</sub>S readings are being taken each time the 24-hour canisters are placed and again when the canisters are collected. The H<sub>2</sub>S readings are being taken in each room where a canister is placed and in hallways and corridors in the vicinity of these rooms, as well as outside the building. During this week of sampling there were detectable levels of H<sub>2</sub>S measured at each school location.

On December 16<sup>th</sup>, no detectable levels of H<sub>2</sub>S were measured in the indoor air or in the outside ambient air at the American Christian School. On December 17<sup>th</sup>, H<sub>2</sub>S was measured in the Hallway outside Classroom #5 at 3.6 ppb, in Classroom #2 at 3.2 ppb and in outdoor ambient air at 5.3 ppb. Cooking and baking activities were ongoing during the

time the measurements were taken. There were no odors of H<sub>2</sub>S noted and there were no reports of odor complaints by school staff on either day.

On December 17<sup>th</sup>, detectable levels of H<sub>2</sub>S were measured in the indoor air and outdoor ambient air at the Morris County Educare Center. H<sub>2</sub>S was measured in the Main Hallway outside the Infants Room at 5.3 ppb, in the Twoddlers Room at 3.9 ppb, in Classroom #7 at 4.1 ppb, in the Hallway outside Classroom #5 at 4.8 ppb, in Classroom #4 at 5.4 ppb and in the outdoor ambient air at 4.4 ppb. Cooking activities were ongoing during the time the measurements were taken. On December 18<sup>th</sup>, detectable levels of H<sub>2</sub>S were measured in the Twoddlers Room at 3.2 ppb and in Classroom #4 at 3.9 ppb. There were no detectable levels of H<sub>2</sub>S measured in the outdoor ambient air. There were no odors of H<sub>2</sub>S noted and there were no reports of odor complaints by school staff on either day.

On December 18<sup>th</sup>, detectable levels of H<sub>2</sub>S were measured in the indoor air at the St. Therese Elementary School. Detectable levels of H<sub>2</sub>S were measured in Classroom #3 at 3.4 ppb. There were no detectable levels of H<sub>2</sub>S measured in the outdoor ambient air. On December 19<sup>th</sup>, there were no detectable levels of H<sub>2</sub>S were measured in the indoor air. Detectable levels of H<sub>2</sub>S were measured in the outdoor ambient air at 4.1 ppb. There were no odors of H<sub>2</sub>S noted and there were no reports of odor complaints by school staff on either day.